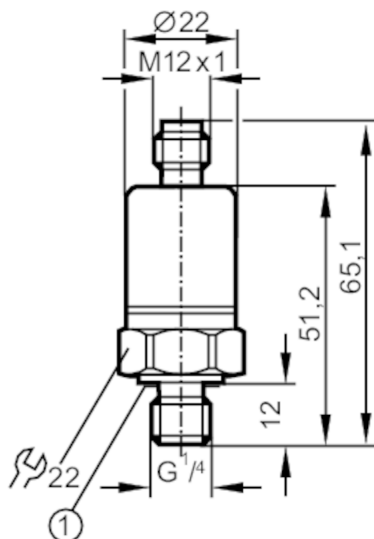




Pressure transmitter

PT-400-SBG14-B-DVG/US/ IW



- 1 Sealing
Tightening torque 25 Nm



Product characteristics

Number of inputs and outputs	Number of analogue outputs: 1		
Measuring range	0...400 bar	0...5800 psi	0...40 MPa
Process connection	threaded connection G 1/4 external thread		

Application

Application	for mobile applications		
Media	liquids and gases		
Medium temperature [°C]	-25...90; (on request: -40...100 °C)		
Min. bursting pressure	1600 bar	23200 psi	160 MPa
Pressure rating	600 bar	8700 psi	60 MPa
Type of pressure	relative pressure		

Electrical data

Operating voltage [V]	16...36 DC		
Current consumption [mA]	< 6		
Min. insulation resistance [MΩ]	100; (80 V DC)		
Protection class	III		
Reverse polarity protection	yes		

Inputs / outputs

Number of inputs and outputs	Number of analogue outputs: 1
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Outputs

Total number of outputs	1
Output signal	analogue signal
Number of analogue outputs	1
Analogue voltage output [V]	0...10
Min. load resistance [Ω]	2000

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Pressure transmitter

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Measuring/setting range					
Measuring range		0...400 bar	0...5800 psi	0...40 MPa	
Accuracy / deviations					
Repeatability		[% of the span]			< ± 0,1; (with temperature fluctuations < 10 K)
Characteristics deviation		[% of the span]			
Linearity deviation		[% of the span]			< ± 0,25 (BFSL) / < ± 0,5 (LS)
Hysteresis deviation		[% of the span]			< ± 0,2
Long-term stability		[% of the span]			< ± 0,1; (per 6 months)
Temperature coefficient zero point		[% of the span / 10 K]			< ± 0,1; (-25...90 °C)
Temperature coefficient span		[% of the span / 10 K]			< ± 0,1; (-25...90 °C)
Response times					
Step response time analogue output		[ms]			8
Operating conditions					
Ambient temperature		[°C]			-25...90
Storage temperature		[°C]			-40...100
Protection					IP 67; IP 69K
Tests / approvals					
EMC		EN 61000-4-2 ESD immunity		4 kV CD / 8 kV AD	
				according to the automotive directive 1995/54/EC, 2004/104 EC, 2005/83/EC	
		ISO 11452-2		100 V/m	
		ISO 11452-4		100 mA / severity level 4	
		ISO 7637-2		severity level 4	
		radiation of interference		CISPR 25	
		EN 61000-6-1			
		EN 61000-6-4			
Shock resistance		DIN IEC 68-2-27		50 g (11 ms)	
Vibration resistance		DIN IEC 68-2-6		20 g (10...2000 Hz)	
MTTF		[years]			1069
Pressure Equipment Directive					Sound engineering practice; can be used for group 2 fluids; group 1 fluids on request
Mechanical data					
Weight		[g]			83
Materials					stainless steel (316L/1.4404); PA
Materials (wetted parts)					stainless steel (316L/1.4404); FKM
Min. pressure cycles					50 million
Process connection					threaded connection G 1/4 external thread
Restrictor element integrated					yes

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Remarks

Remarks

BFSL = Best Fit Straight Line

LS = limit value setting

Pack quantity

1 pcs.

Electrical connection

Connector: 1 x M12; coding: A



Connection

